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[PDF] FERMAT
MTG Models - fermat.ece.vt.edu
... sequence of uninterruptible computation represented as a Control Data Flow **Graph** ...
16] will be used in the **near** future to ... initial state to **wait** for the next token ...
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... when accessing a shared ob- ject and to **wait** until the ... Suspending is easy for **near**
accesses. ... is a triplet consisting of a object and **thread** identification as ...
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J Shim, D Han, H Kim - Proceedings of the Second International Workshop on ..., 2002 - Springer
... very similar to parallel composition but the split con- trol **threads** of p ... community
process definition can be formally mod- eled using a **wait**-for-**graph**(WFG)[5 ...
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M Minas - informatik.uni-erlangen.de
... Suspending is easy for **near** accesses. ... In the optimal case, **threads** have never to
wait; the time ... for a program with multiple and migrating **threads** per cluster ...
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... the execution time of the longest **thread** before grouping. ... En aquest report es descriu
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JT Buck - 1993 - ptolemy.eecs.berkeley.edu

... These are obtained by analyzing the properties of minimal **cyclic** ... sets and , representing two different types of **graph** ... ance of **deadlock**, a condition in which no ...
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[PS] PACE: A prototype design - all 3 versions »
TJ Reynolds, ME Waite, FZ Ieromnimon - http:\\ cswww. essex. ac. uk, 1995 - essex.ac.uk
... In dataflow architectures a **wait**/match store is responsible ... in the dynamic portion of the **graph** as copied ... totalmerge (1:list)) DEF totalmerge (**near**:l) = **near** ...
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[PS] Compiling Several Classes of Reductions on a Multithreaded Architecture
RKG Agrawal, KTGM Zoppetti, GR Gao - research.ibm.com
... bers in iteration j must **wait** for bers ... Applications with **near** neighbor communication can be di ... of computation and communication, with each **thread** requiring data ...
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[PS] Compiling several classes of reductions on a multithreaded architecture
R Kumar, G Agrawal, K Theobald, GM Zoppetti, GR ... - The Mid-Atlantic Student Workshop on Programming Languages ..., 2001 - research.ibm.com
... bers in iteration j must **wait** for bers ... Applications with **near** neighbor communication can be di ... of computation and communication, with each **thread** requiring data ...
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[CITATION] Non-Intrusive Detection of Synchronization Errors Using Execution Replay - all 5 versions »
M Ronsse, K De Bosschere - Automated Software Engineering, 2002 - Springer
... a program execution with a data race **near** the end ... Eg the circular **wait** can be avoided by ordering the ... by checking for cycles in the resource alloca- tion **graph**. ...
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J Shim, D Han, H Kim - Proceedings of the Second International Workshop on ..., 2002 - Springer
... is very similar to parallel composition but the split con- trol **threads** of p ... s, t).
This set expression represents the directed edge of **wait**-for-**graph** model. ...
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[CITATION] Non-Intrusive **Detection** of Synchronization Errors Using Execution Replay - all 5 versions »
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... the execution time of the longest **thread** before grouping. ... En aquest report es descriu
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Y Eytani, K Havelund, SD Stoller, S Ur - Concurrency and Computation: Practice and Experience, 2006 - havelund.com
... Specifically, they look for cycles in lock **graphs**. ... and race detectors are planned
in the **near** future ... Critical-Section, Missing Condition-For- **Wait**, Unguarded if ...
Cited by 24 - Related Articles - View as HTML - Web Search - BL Direct

Combined Task and Message Scheduling in Distributed Real-Time Systems - all 11 versions »
TF Abdelzaher, KG Shin - IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS, 1999 - doi.ieeecs.org
... complexity of the combined problem, optimality is guaranteed in the second dimension,
while a **near** optimal solution ... Thus, there is no possibility of **deadlock**. ...
Cited by 65 - Related Articles - Web Search

[PDF] **Cyclic** debugging for psather, a parallel object-oriented programming language - all 2 versions »
M Minas - Proc. DAGS - informatik.uni-erlangen.de
... when accessing a shared ob- ject and to **wait** until the ... Suspending is easy for **near**
accesses. ... is a triplet consisting of a object and **thread** identification as ...
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... Suspending is easy for **near** accesses. ... In the optimal case, **threads** have never to **wait**; the time ... for a program with multiple and migrating **threads** per cluster ...
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Autolocker: synchronization inference for atomic sections - all 11 versions »
B McCloskey, F Zhou, D Gay, E Brewer - ACM SIGPLAN Notices, 2006 - portal.acm.org
... If two **threads** execute simultaneously, one calling f(x ... the computation histories to generate a **graph** of depen ... If the dependencies are **cyclic**, warn of a possible ...
Cited by 29 - Related Articles - Web Search - BL Direct

[PDF] Toward a Benchmark for Multi-Threaded Testing Tools - all 6 versions »
Y Eytani, K Havelund, S Stoller, S Ur - Concurrency and Computation: Practice and Experience, 2005 - ti.arc.nasa.gov
... Specifically they look for cycles in lock **graphs**. ... The other **thread** will for- ever **wait** (busily), and nothing ... In the **near** future, we expect to get additional ...
Cited by 2 - Related Articles - View as HTML - Web Search

[PS] An Approach to Multi-User KBMS in Workstation/Server Environments - all 4 versions »
F de Ferreira Rezende, T Härder - wwwdvs.informatik.uni-kl.de
... The Working Memory (WM) embodies the **near**-by-the ... objects, transactions may sometimes have to **wait** for other ... to control the locks and the **graph** structure built ...
Related Articles - View as HTML - Web Search

Key authors: K Havelund - W Visser - R Washington - M Lowry - C Pasareanu

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Static infinite **wait** anomaly **detection** in polynomial time - all 2 versions »

SP Masticola, BG Ryder - Proceedings of the 1990 International Conference on Parallel ..., 1990 - citeseer.ist.psu.edu

... statically derivable program representation, the sync **graph**, to certify **... deadlock**)
is NP complete [15] resp **...** 13 15] static **detection** of infinite **wait** anomalies is **...**

Cited by 34 - Related Articles - Cached - Web Search

Antipattern-based **detection** of deficiencies in Java **multithreaded** software - all 4 versions »

HH Hallal, E Alikacem, WP Tunney, S Boroday, A ... - Quality Software, 2004. QSIC 2004. Proceedings. Fourth ..., 2004 - ieeexplore.ieee.org

... acquisition among the threads involved in the **deadlock**. **...** Synchronized method call
in cycle of lock **graph**. Livelock 1.Unsynchronized spin-**wait**, (E_Jlin, FindBugs **...**

Cited by 11 - Related Articles - Web Search

Applying Static Analysis to Large-Scale, Multi-threaded Java Programs - all 15 versions »

C Artho, A Biere - Proc. 13th ASWEC, 2001 - doi.ieeecomputersociety.org

... lock- ing orders, or problems with **wait** and notify **...** blocks in the method call **graph**
and treat **...** Evaluating **Deadlock Detection** Methods for Concurrent Software. **...**

Cited by 43 - Related Articles - Web Search

Pulse: A Dynamic **Deadlock Detection** Mechanism Using Speculative Execution - all 9 versions »

T Li, CS Ellis, AR Lebeck, DJ Sorin - usenix.org

... to implement, but at the cost of detecting fewer types of **deadlock**. Under this model,
a general resource **graph** takes a much simpler form as a **wait**-for-**graph ...**

Cited by 15 - Related Articles - Web Search

[CITATION] Static **deadlock detection** for Java libraries - all 11 versions »

A Williams, W Thies, MD Ernst - Proc. 2005 European Conference on Object-Oriented ..., 2005 - Springer

... Static **Deadlock Detection** for Java Libraries 609 **...** v n) | v 1 := v 2 .f | **wait**(v) |
stmt **...** pp, T ∈ HeapObject = ProgramPoint × Type g ∈ **Graph** = directed-**graph ...**

Cited by 12 - Related Articles - Web Search - BL Direct

[PDF] A MODEL-BASED DESIGN-FOR-VERIFICATION APPROACH TO CHECKING FOR **DEADLOCK** IN MULTI-THREADED ... - all 6 versions »

B Sarna-Starosta, REK Stirewalt, LK Dillon - International Journal of Software Engineering and Knowledge ..., 2007 - cs.msu.edu

... from T 1 to T 2 . Our **deadlock** analysis involves an exhaustive search of the model, looking for a state whose **wait**-for **graph** contains a knot, ie, a **...**

Cited by 4 - Related Articles - View as HTML - Web Search - BL Direct

RacerX: effective, static **detection** of race conditions and deadlocks - all 19 versions »

D Engler, K Ashcraft - Proceedings of the nineteenth ACM symposium on Operating ..., 2003 - portal.acm.org

... over all roots in the flow **graph** and calls **...** Both threads will then **deadlock** while they attempt to **...** to provide mutual exclusion or (2) signal-**wait** semaphores used **...**

Cited by 128 - Related Articles - Web Search - BL Direct

Efficient and precise datarace **detection** for **multithreaded** object-oriented programs - all 11 versions »

JD Choi, K Lee, A Loginov, RO'Callahan, V Sarkar, ... - ACM SIGPLAN Notices, 2002 - portal.acm.org

... datarace de- tection for **multithreaded** object-oriented **...** and performing the final datarace **detection** phase off **...** by executing a set of **multi- threaded** Java programs **...**

Cited by 138 - Related Articles - Web Search - BL Direct

[CITATION] Dynamic **Deadlock** Analysis of Multi-threaded Programs

S Bensalem, K Havelund - Haifa Verification Conference - Springer

... for resource deadlocks in Java, the **wait** and notify **...** algorithm consists of finding cycles in a lock **graph**. **...** Dynamic **Deadlock** Analysis of **Multi-threaded** Programs **...**

Cited by 5 - Related Articles - Web Search - BL Direct

A **Deadlock Detection** Tool for Concurrent Java Programs - all 2 versions »

C DEMARTINI, R IOSIF, R SISTO - doi.wiley.com

... have no effect if the locked object **wait** queue is **...** a smaller number of states in the reachability **graph**. **... DEADLOCK DETECTION** TOOL FOR CONCURRENT JAVA PROGRAMS **...**

Cited by 83 - Related Articles - Web Search - BL Direct

Key authors: **K Havelund** - **S Stoller** - **C Demartini** - **S Ur** - **S Masticola**

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abandoned Mutex, 124 accept alternative, 273 statement, 269 accept ()(Java), 315

M Multithreading, T Implementing - doi.wiley.com

... sharedVariable<>, 37–38 class TDThread, 34–37 **deadlock detection**, 154–157 **...** 407 **WAIT** FAILED (Win32), 123, 125 **Wait**-for **graph**, 154 WaitForMultipleObjects **...**

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A **Deadlock Detection** Tool for Concurrent Java Programs - all 2 versions »

C DEMARTINI, R IOSIF, R SISTO - doi.wiley.com

... a smaller number of states in the reachability **graph**. **... DEADLOCK DETECTION** TOOL FOR CONCURRENT JAVA PROGRAMS **...** to represent the object's associated **wait queue**. **...**

Cited by 83 - Related Articles - Web Search - BL Direct

Static analysis of Java **multithreaded** and distributed applications - all 4 versions »

C Demartini, R Sisto - Proceedings of the International Symposium on Software ..., 1998 - doi.ieeecomputersociety.org

... visited, without however reducing the **detection** capabil- ities **...** a Java Reduced Control Flow **Graph** (JRCFG **...** nized blocks, the invocationsof the **wait**() , notify() and **...**

Cited by 12 - Related Articles - Web Search

[PDF] Beyond Multiprocessing... Multithreading the SunOS Kernel - all 67 versions »

J Eykholt, S Kleiman, S Barton, R Faulkner, A ... - Proceedings of the Summer USENIX Conference, 1992 - cn.opensolaris.org

... user-level libraries for use in **multithreaded** applica- tion **...** owner's status in the spin **wait** loop 2 **...** interrupting while the object is locked, causing **deadlock**. **...**

Cited by 113 - Related Articles - View as HTML - Web Search

CARAT: a testbed for the performance evaluation of distributed database systems

W Kohler, BC Jenq - Proceedings of 1986 ACM Fall joint computer conference table ..., 1999 - portal.acm.org

... locking protocol with distributed **deadlock detection**, a distributed **...** locking protocol with distributed **deadlock** de- tection **...** due to its **multi-threaded** nature. **...**

Cited by 6 - Related Articles - Web Search

[PDF] 'Deadlock resolution in networks employing connection-based adaptive routing - all 4 versions »

YF Turner, Y Tamir - Computer Science Department Technical Report CSD-960032, ... - cs.ucla.edu

... the unmapped packet still has to **wait** for the **...** non-neighbor nodes in the virtual network **graph**. **...** that they will disappear eventually under **deadlock**-free routing. **...**

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Spin **Detection** Hardware for Improved Management of **Multithreaded** Systems - all 3 versions »

T Li, AR Lebeck, DJ Sorin - IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS, 2006 - doi.ieeecomputersociety.org

... form a cycle in the control flow **graph** of the **...** when multiple threads of a program **wait** on each **...** system mechanism that dynamically detects **deadlock** (or livelock **...**

Cited by 4 - Related Articles - Web Search - BL Direct

The performance of database replication with group multicast - all 6 versions »

J Holliday, D Agrawal, A El Abbadi - Fault-Tolerant Computing, 1999. Digest of Papers. Twenty- ..., 1999 - ieeexplore.ieee.org

... Each site DBMS has a **deadlock detection** routine for use with protocols that are susceptible to local deadlocks, ie, AI and A2. A **Wait**-For-**Graph** is maintained **...**

Cited by 46 - Related Articles - Web Search - BL Direct

Bandera: extracting finite-state models from Java source code - all 20 versions »

JC Corbett, MB Hatcliff, J Laubach, S Pasareanu, ... - Software Engineering, 2000. Proceedings of the 2000 ..., 2000 - ieeexplore.ieee.org

... Properties checked include freedom from **deadlock**, simple asser- tions, state **... queue**. **...** devel- oped slicing techniques based on program dependence **graphs**, eg, [17]. **...**

Cited by 746 - Related Articles - Web Search - BL Direct

Deadlock resolution via exceptions for dependable Java applications - all 3 versions »

F Zeng - Dependable Systems and Networks, 2003. Proceedings. 2003 ..., 2003 - ieeexplore.ieee.org

... to the ready state or the **wait** state. **...** Traditional **deadlock detection** techniques based on structural patterns of **...** a time-varying runtime dependency **graph** G at **...**

Cited by 4 - Related Articles - Web Search

Key authors: **C Demartini** - **J Eykholt** - **J Corbett** - **R Sisto** - **R Horst**

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